

10/530 737

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 03/11388

A. CLASSIFICATION OF SUBJECT MATTER		
IPC 7	C07D487/08	C07D493/08 C07D495/08 C07D207/34 C07D231/14 C07D213/78 C07D277/56 C07D263/34 C07D327/06 A01N43/36 A01N43/32 A01N43/50
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols) IPC 7 C07D		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal, BEILSTEIN Data, CHEM ABS Data		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 00 09482 A (NOVARTIS ERFINDE VERWALT GMBH ; EBERLE MARTIN (CH); NOVARTIS AG (CH)) 24 February 2000 (2000-02-24) examples 66-69 ---	1-10
Y	WO 01 49664 A (WALTER HARALD ; SYNGENTA PARTICIPATIONS AG (CH); SCHNEIDER HERMANN) 12 July 2001 (2001-07-12) table 9 ---	1-10
Y	WO 01 53259 A (WALTER HARALD ; SYNGENTA PARTICIPATIONS AG (CH); SCHNEIDER HERMANN) 26 July 2001 (2001-07-26) table 9 ---	1-10
A	WO 02 066470 A (AMGEN INC) 29 August 2002 (2002-08-29) examples 87, 333, 306, 362, 646 ---	1-10
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<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents : *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *G* document member of the same patent family		
Date of the actual completion of the international search 1 March 2004		Date of mailing of the international search report 12/03/2004
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer Menegaki, F

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	A.J.KIRBY ET AL.: CHEMICAL SOCIETY, PERKIN TRANSACTIONS, no. 2, - 1997 pages 1081-1093, XP009026772 cited in the application example 30 ---	7,8
A	ODA, MASATSUGU ET.AL.: "structure activity relationships of 2-Chloropyridine-3-carboxamide fungicides" JOURNAL OF PESTICIDE SCIENCE (INT.ED.), no. 18, - 1993 pages 49-57, XP009026800 cited in the application examples 36,37 ---	1-10
A	DATABASE CROSSFIRE BEILSTEIN 'Online! Beilstein Institut zur Förderung der Chemischen Wissenschaften, Frankfurt am Main, DE; Database accession no. 7269102 (BRN) XP002271778 cited in the application abstract ---	7,8
A	& PLIENINGER, H. ET AL.: CHEMISCHE BERICHTE, no. 109, - 1976 pages 2126-2139, cited in the application examples ---	7,8
A	DATABASE CROSSFIRE BEILSTEIN 'Online! Beilstein Institut zur Förderung der Chemischen Wissenschaften, Frankfurt am Main, DE; Database accession no. 4803445 (BRN) XP002271779 abstract ---	7,8
A	& GRAVEL, D. ET AL.: CANADIAN JOURNAL OF CHEMISTRY, vol. 69, no. 8, - 1991 pages 1193-1200, cited in the application examples ---	7,8
A	ROBERT A. SNOW ET AL: "Analysis of bridging regioselectivity operative in photorearrangement of ortho-substituted benzonorbornadienes" JOURNAL OF THE AMERICAN CHEM. SOCIETY, vol. 99, no. 11, - 1977 pages 3734-3744, XP002271785 cited in the application example 23 ---	7,8
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International Application No

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	H. PLIENINGER ET AL: "Synthese von benz'c,d!indol-derivaten" CHEMISCHE BERICHTE, vol. 109, - 1976 pages 2121-2125, XP009026773 cited in the application examples 9,10 -----	7,8

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Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☒ Claims Nos.: 1(part), 7/8 (part)
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

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International Application No. PCT/EP 03 /1388

FURTHER INFORMATION CONTINUED FROM PCT/SA/ 210

Continuation of Box I.2

Claims Nos.: 1(part),7/8 (part)

Present claims 1, 7, 8 relate to an extremely large number of possible compounds. Support within the meaning of Article 6 PCT and/or disclosure within the meaning of Article 5 PCT is to be found, however, for only a very small proportion of the compounds claimed. In the present case, Claim 1, in part, as well as claims 7,8 (partly), lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Consequently, the search has been carried out for those parts of the claims which appear to be supported and disclosed, namely, with regard to claim 1, those parts relating to the compounds wherein Het is as defined in Claim 2; with regard to claims 7,8 for the exemplified intermediate compounds falling under the definition of formulas (C)/(D) in said claims.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/11388

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 0009482	A	24-02-2000	AU 756140 B2 02-01-2003
			AU 5513899 A 06-03-2000
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			TR 200100478 T2 21-06-2001
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			CN 1437583 T 20-08-2003
			CZ 20022244 A3 11-09-2002
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			HU 0203818 A2 28-03-2003
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			CZ 20022496 A3 16-10-2002
			WO 0153259 A1 26-07-2001
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			EP 1358184 A1 05-11-2003
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			NO 20033181 A 11-09-2003
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			US 2003225106 A1 04-12-2003